BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE
Office of the Executive Engineer, Dasarahalli Division
Schedule - B

NAME OF THE WORK: Establishing of R.O.Plant near Mutturaya sway temple in ward no. 13 in Shettyhalli Sub Division

Sl. No	Description of work	Unit	Qty	Rate quoted by Sri K.Shankar Reddy	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Earth work in surface excavation in hard soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications,	Cum	9.6	200.0	Rupees Two Hundred Only
2	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification,	Cum	22.17	220.0	Rupees Two Hundred Twenty Only
3	oading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 141 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M	Cum	31.77	70.0	Rupees Seventy Only
4	Providing and laying in position plain cement concrete of mix 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	9.39	5100.0	Rupees Five Thousand One Hundred Only

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5	Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed 2008 machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications.	Cum	12.28	5800.0	Rupees Five Thousand Eight Hundred Only
6	Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	9.86	3100.0	Rupees Three Thousand One Hundred Only
7	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications	Cum	4.6	3600.0	Rupees Three Thousand Six Hundred Only
8	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm	12.78	90.0	Rupees Ninety Only
9	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications,	Cum	14	110.0	Rupees One Hundred Ten Only
	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, antilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications.	Sqm	59.76	210.0	Rupees Two Hundred Ten Only

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11	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications.	Sqm	3.12	220.0	Rupees Two Hundred Twenty Only
12	Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	73.13	950.0	Rupees Nine Hundred Fifty Only
13	providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications	Tonne	0.465	60000.0	Rupees Sixty Thousand Only
14	Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever reuired smooth rendering, : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications	Sqm	72.56	150.0	Rupees One Hundred Fifty Only
15	FIXTURES for doors and windows Hinges 5" heavyduty	Each	4	37.0	Rupees Thirty Seven Only
16	bottom lock nail	Each	10	47.0	Rupees Forty Seven Only
17	MS Clamps	Each	8	38.0	Rupees Thirty Eight Only
18	Brass screws 25mm	Each	50	2.1	Rupees Two and Ten Paise Only
19	Providing and fixing single shutter glass door of 12mm thick plain Toughened glass (Saint Gobain,Modi float).The door is fixed by using any approved make hardware fitting like patch fitting, pivot,Floor machine, locking arrangements and suitable SS door rails withFloral glass etching for 1/3 portion of door area etc complete. The rate includes cost of all materials, labour, hire of tools & machineries, and as per specification.	Sqm	10	9400.0	Rupees Nine Thousand Four Hundred Only

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20	Providing precast chequered mosaic tiles dark shade using ordinary grey cement for steps and flooring, with precast 20mm thick, using marble chips of approved colour 7 to 10 nominal size laid in floors, steps and landings on a bed of 12mm thick cement mortar 1:6, mix, jointed with neat cement slurry mix with pigment to match the shade of tiles curing, rubbing, polishing , oxalic acid wash, wax polish, including cost of materials, labour, HOM machinery complete as per specifications	Sqm	10	880.0	
21	Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick Granite slab over existing cement concrete bed in CM 1:4 at 20mm thick (average) pointed with white cement/ colour pigment etc., complete.	Sqm	4.8	2050.0	Rupees Two Thousand Fifty Only
22	Providing and fixing Special make glazed Vitrified tiles (Granomite finis) of approved make, quality and colour of sized 6000x600x10mm thick fixed on existing flooring wit ha special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete.	Sqm	14	880.0	Rupees Eight Hundred Eighty Only
23	Applying priming coat over new wood surface and / or wood based surface after brushing with wood primer pink paint including preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications	Sqm	33.44	30.0	Rupees Thirty Only
24	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications	Sqm	33.44	80.0	Rupees Eighty Only
	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. with primer.	Sqm	33.44	90.0	Rupees Ninety Only

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labour complete as per specifi

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26	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with primer	Sqm	10	90.72	Rupees Ninety and Seventy Two Paise Only
27	POP Sheets corogated roof Sheets nut bolts including labour charges etc complete	Sqm	16	600.0	Rupees Six Hundred Only
28	G.I. Roof sheets fixing and complete including labour charges	Sqm	12	600.0	Rupees Six Hundred Only
29	Steel Pre fabricates structure with a 14 Guage (3)" each 60 kg including cutting and transportation complete	Kgs	144	90.0	Rupees Ninety Only
30	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. 2.3.1) Short point upto 3Mtr from tapping point to out let via switch box	Point	2	114.0	Rupees One Hundred Fourteen Only
31	2.3.2) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box	Point	2	215.0	Rupees Two Hundred Fifteen Only
32	2.3.3) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box	Point	2	334.0	Rupees Three Hundred Thirty Four Only
33	Open Conduit System Supplying heavy gauge PVC conduit pipe .....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.1.1.1) 19/20mm dia 2mm thick	Mtr	15	54.0	Rupees Fifty Four Only

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34	52	SHORT POLES: (whereas clearance between Messenger wire and ground is inadequate) a) Supplying and fixing 40mm diat 2.90 thick GI pipe 1.8m long complete with atleast 2 GI pipe 1.8m, long complete with atleast 2 Nos of through bolts 12 mm dia with MS back plate 100x100x6mm dia with eye bolt fixed at top deadeninding messenger wire with masonary patch work etc., complete as per approved drawing (for single phase installations) PWD SR 2007-08	Each	1	480.0
53		INSULATED CABLE ON MESSENGER WIRE Using 2 single core wires for a single phase and 4 single core wires for 3 phase. Supplying and stringing PVC insulated and PVC sheathed 650/1100V class aluminium conductor of size supported by 3.15mm (10 SWG) GI messenger wire with two break insulators one at each end of the span with suspenders at intervals of 0.75m. Each suspender shall be of porcelain reel insulator of suitable core through which insulated wire passes(single core or twin core as the case may be) and this reel insulator shall be fixed to the messenger wire using 2mm (No.14SWG) GI wire suitably bent and twisted. Separate reely insulator shall be provided for each wire, the messenger wire shall be ded-ended on the clamp provided to the departmental pole wide item No.4 above.(Page No.56 item No.5 a)Single Phase using 2 Wire e) 16 Sqmm	Rmtr	30	60.0

Rupees Sixty Only

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54	RAW WATER PUMP : Quantity : 1 No. Type: Centrifugal mono block, MOC & Make: UKL, Motor Rating: 0.75 HP, PRESSURE SAND FILTER : Quantity: 1 No, Capacity: 1000 LPH, MOC & Make of housing: UKL, MOC & Make of cartridge: UKL, Capacity: 1000 LPH, MOC & Make of vessel: UKL, Diameter: 400 mm, Type of Valve: Single - multiport, Media: Support bed + sand, MICRON CARTRIDGE FILTER : Quantity: 1 set, Filter Rating: 5 microns, Size: 20" long, ANTISCALANT DOSING PUMPS : Quantit: y : 1 No., Type: Electro - magnetic, Capacity: 1.5 LPH @ 4 Bar, Dosing Tank: HDPE - 50 ltr, HIGH PRESSURE PUMP :: Quantity: 1 No., Capacity: 1700 LPH, Type of Pump: Vertical Multistage Centrifugal Pump, MOC: SS 304, Motor Rating : 2 HP, 3 Phase, Maximum Pressure: 12 kg / cm2, Make : UKL, RESERVE OSMOSIS SYSTEM :: Quantity: 1 No. Capacity: 1000 LPH, Module Type: Membrane Specifications {Polyamide}: Make of Membrane : UKL No. of Membranes: UV STERILISER: Max. Treatment Flow: 1 m3/hr, No. of Lamps: 1 No.: Wattage: 39W, Efficiency: 0.9999, Material of construction: SS 304, PRODUCT WATER QUALITY :: Appearance: Crystal Clear Abide by the ISO standards: Yes, S S Tank : 304 grade with 16 gauge 2000 Liters capacity: 304 grade 10 gauge SS Pipe{with steam valve} 25 ft, COIN BOOTH DISPENSING UNIT for 5 litres & 20ltrs	nos	1	920000.0	Rupees Nine Lakh Twenty Thousand Only

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